

0E
1D
2C
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4A
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A4
B3
C2
D1
C0
CF
FE

```
1 0001 0 MODULE STR$$UNWDEQ (      ! String dequeuer for unwind
2 0002 0      IDENT = '1-002'      ! File: STRUNWDEQ.B32
3 0003 0      ) =
4 0004 1 BEGIN
5 0005 1
6 0006 1 *****
7 0007 1 *
8 0008 1 *  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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25 0025 1 *
26 0026 1 *****
27 0027 1
28 0028 1
29 0029 1
30 0030 1 ++
31 0031 1 FACILITY: String support library
32 0032 1
33 0033 1 ABSTRACT:
34 0034 1
35 0035 1     This module contains the routine that dequeues interlocked
36 0036 1     strings on unwind.
37 0037 1
38 0038 1 ENVIRONMENT: VAX-11 User mode
39 0039 1
40 0040 1 AUTHOR: John Sauter, CREATION DATE: 30-OCT-1979
41 0041 1
42 0042 1 MODIFIED BY:
43 0043 1
44 0044 1     1-001 - Original. JBS 30-OCT-1979
45 0045 1     1-002 - Fix setup for REMQUE. JBS 06-NOV-1979
46 0046 1 --
47 0047 1
48 0048 1 !<BLF/PAGE>
```



```
50 0049 1 |
51 0050 1 | SWITCHES:
52 0051 1 |
53 0052 1 |
54 0053 1 | SWITCHES ADDRESSING_MODE (EXTERNAL = GENERAL, NONEXTERNAL = WORD_RELATIVE);
55 0054 1 |
56 0055 1 |
57 0056 1 | LINKAGES:
58 0057 1 |
59 0058 1 |     NONE
60 0059 1 |
61 0060 1 | TABLE OF CONTENTS:
62 0061 1 |
63 0062 1 |
64 0063 1 | FORWARD ROUTINE
65 0064 1 |     STR$UNWDEQ;                                ! On unwind, dequeue strings
66 0065 1 |
67 0066 1 |
68 0067 1 | INCLUDE FILES:
69 0068 1 |
70 0069 1 |
71 0070 1 | REQUIRE 'RTLIN:RTLPSECT';                        ! Declare PSECTS code
72 0165 1 |
73 0166 1 | LIBRARY 'RTLSTARLE';                            ! STARLET library for macros and symbols
74 0167 1 |
75 0168 1 |
76 0169 1 | MACROS:
77 0170 1 |
78 0171 1 |     NONE
79 0172 1 |
80 0173 1 | EQUATED SYMBOLS:
81 0174 1 |
82 0175 1 |     NONE
83 0176 1 |
84 0177 1 | PSECT DECLARATIONS
85 0178 1 |
86 0179 1 | DECLARE_PSECTS (STR);                            ! Declare psects for STR$ facility
87 0180 1 |
88 0181 1 | OWN STORAGE:
89 0182 1 |
90 0183 1 |     NONE
91 0184 1 |
92 0185 1 | EXTERNAL REFERENCES:
93 0186 1 |
94 0187 1 |
95 0188 1 | EXTERNAL ROUTINE
96 0189 1 |     LIB$MATCH_COND;                            ! Match a condition code
97 0190 1 |
98 0191 1 |
99 0192 1 | + The following is the header for the queue of interlocked strings.
100 0193 1 | -
101 0194 1 |
102 0195 1 | EXTERNAL
103 0196 1 |     STR$$Q_INTLK : VECTOR [2, LONG];
104 0197 1 |
```

```
106 0198 1 GLOBAL ROUTINE STR$$UNWDEQ (
107 0199 1     SIG,
108 0200 1     MECH,
109 0201 1     ENBL
110 0202 1 ) =
111 0203 1
112 0204 1 ++
113 0205 1 FUNCTIONAL DESCRIPTION
114 0206 1
115 0207 1     If we are unwinding, free the interlocked strings. The number of such strings
116 0208 1     is passed in the enable vector.
117 0209 1
118 0210 1 FORMAL PARAMETERS:
119 0211 1
120 0212 1     SIG.rl.a      A counted vector of parameters to LIB$SIGNAL/STOP
121 0213 1     MECH.rl.a     A counted vector of info from CHF
122 0214 1     ENBL.ra.a   A counted vector of ENABLE argument addresses
123 0215 1
124 0216 1 IMPLICIT INPUTS:
125 0217 1
126 0218 1     NONE
127 0219 1
128 0220 1 IMPLICIT OUTPUTS:
129 0221 1
130 0222 1     NONE
131 0223 1
132 0224 1 COMPLETION CODES:
133 0225 1
134 0226 1     Always SS$_RESIGNAL, which is ignored when unwinding.
135 0227 1
136 0228 1 SIDE EFFECTS:
137 0229 1
138 0230 1     Removes entries from the string interlock queue.
139 0231 1
140 0232 1 --
141 0233 1
142 0234 1 BEGIN
143 0235 1
144 0236 1 BUILTIN
145 0237 1     REMQUE;
146 0238 1
147 0239 1 MAP
148 0240 1     SIG : REF VECTOR,
149 0241 1     MECH : REF VECTOR,
150 0242 1     ENBL : REF VECTOR;
151 0243 1
152 0244 1 ++
153 0245 1     Only dequeue if this is the UNWIND condition.
154 0246 1
155 0247 1
156 0248 1     IF ( NOT (LIB$MATCH_COND (SIG [1], %REF (SS$_UNWIND))) ) THEN RETURN (SS$_RESIGNAL);
157 0249 1
158 0250 1 ++
159 0251 1     Remove interlock control blocks from the string interlock queue.
160 0252 1
161 0253 1
162 0254 1     INCR COUNTER FROM 1 TO ..ENBL [1] DO
```

STR\$\$UNWDEQ
1-002

G 8
16-Sep-1984 01:50:49
14-Sep-1984 12:40:16

VAX-11 Bliss-32 V4.0-742
[LIBRTL.SRC]STRUNWDEQ.B32;1

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(3)

```

: 163      0255      1      BEGIN
: 164      0256      1
: 165      0257      1      LOCAL
: 166      0258      1      REMQUE_ADDR,
: 167      0259      1      JUNK;
: 168      0260      1
: 169      0261      1      REMQUE_ADDR = STR$$Q_INTLK [1];
: 170      0262      1      REMQUE(..REMQUE_ADDR, JUNK);
: 171      0263      1      END;
: 172      0264      1
: 173      0265      1      RETURN (SS$_RESIGNAL);
: 174      0266      1      END;
```

! End of STR\$\$UNWDEQ

```

.TITLE STR$$UNWDEQ
.IDENT \1-002\
.EXTRN LIB$MATCH_COND, STR$$Q_INTLK
.PSECT _STR$CODE,NOWRT, SHR, PIC,2
```

```

.ENTRY STR$$UNWDEQ, Save R2,R3
MOVZWL #2336, -(SP)
PUSHL SP
ADDL3 #4, SIG, -(SP)
CALLS #2, LIB$MATCH_COND
BLBC R0, 3$
MOVL ENBL, R0
MOVL @4(R0), R3
CLRL COUNTER
BRB 2$
MOVAB STR$$Q_INTLK+4, REMQUE_ADDR
REMQUE @0(REMQUE_ADDR), JUNK
AOBLEQ R3, COUNTER, 1$
MOVZWL #2328, R0
RET
```

```

: 0198
: 0248
:
:
: 0254
:
: 0261
: 0262
: 0254
: 0265
: 0266
```

; Routine Size: 57 bytes, Routine Base: _STR\$CODE + 0000

```

: 175      0267      1
: 176      0268      1      END
: 177      0269      1
: 178      0270      0      ELUDOM
```

!End of module STR\$\$UNWDEQ

PSECT SUMMARY

Name	Bytes	Attributes
_STR\$CODE	57	NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)


```
: Size:          57 code + 0 data bytes
: Run Time:      00:02.5
: Elapsed Time:  00:13.8
: Lines/CPU Min: 6585
: Lexemes/CPU-Min: 18219
: Memory Used:   42 pages
: Compilation Complete
```

[illegible]

0215 AH-BT13A-SE
VAX/VMS V4.0

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